Work Orde September-21-12				*90	653*							Page 1
Item ID: Revision ID:	D350-689-0	13		Accept	*N90	<b>0040</b>	100	* S	etup	Start	*N:	S1*
Item Name:	Floor Provision	ons								Stop	*N:	S2*
Start Date:	9/20/12	Start Qty: 1.00	*1*		Cust Item	n ID:						
Required Date:	10/12/12	<b>Req'd Qty:</b> 1.00	*1*		Custome	r:			* *			
Reference:			-									
Approvals:	Process Pla	an: NLJ	Date: 12-09	2 (Tooling:		Date:		R	kun	Start		R1*
	QC:		Date:	SPC (Y/N):		Date:				Stop	*NI	R2*
Sequence ID/ Work Center II	<b>D</b>	Operation Description		Set Up/ Run Hours	Tool ID	Tool #	Plan Code	Accept Qty	Rej Qty		Reject Number	Insp. Stamp
Draw Nbr	Rev	vision Nbr										
IIN D350-689	В		JB	_						0		
*100 *100*		DOCUMENT CONTR	<i>V</i>	0.00 DA				*	A	14	MLJ	12-11-8
DC Document Control		<b>Memo</b> Photocopy	D350-689 bluefile & ty	0.00 \\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\	136 Chg 5 689-013 CHG 094	12-67 12-67 MF 12-	7		)		-	
101		Pick Kit		0.00		mF 12-	, .b-20					12/11/218
*101* Packaging		Memo		0.00						<del></del> .		12/11/216
Packaging		Wello										
110		QC4- 100% Inspect kit	ts for completeness	0.00								
*110*					DAG							
QC Quality Control	·	Memo		0.00	15, ) 11, 26							

											DQA:	Date:	
NCR:	Yes	/ No				WORK ORDER NON-O		NFORM	/IANCE / UP	DATE			
											QA Closed:	Date:	
Work Orde	or.					DISPOSITION				AGAINST DE	PARTMENT,	/PROCESS	
WOIK OIG	_					Rework	ı İ		Skid-tube	Crosstube		Water Jet	Engineering
Part N	No.					Scrap	1	ľ	Machining	Small Fab	Pro	d. Eng. Coor.	Quality
	_					Use-as-is	]	Therm	noforming	Finishing	Rec/Sto	re/Packaging	Other
NCR N	۷o. <u>-</u>					Work Order Update			Large Fab	Composite	j	Supplier	
Root					Descri	ption of work order update		Initial	Ac	tion	Sign &		
Cause		Date	Step	Qty	C	or Non-conformance	Ch	nief Eng	Desc	ription	Date	Verification	QC Inspector
Doc/Data													
Equip/Tooling	Ш												
Operator													
Material													
Setup	Щ												
Other	Ш												
Process	Ш							3.7					
Supplier							.	,* <del>*</del>					
Training													
Unapproved													
						F	AUL	T CATE	GORY				
; Landi	ng G	iear				General	_	-			7	_	7
	$\vdash$	Bending				Bend		Grain			Ovalized	·	Pressure/Forced
	Ш	Centre No	ot Concer	ntric to C	)/S	BOM/Route		Hardwa	re		Over/Under	tolerance	Temperature/Cure
	Ш	Cracks				Broken/Damaged		Inspecti	on Incomplete		Part Incorre	ct	Weld
	Crushed/Crimped Burrs							Instruct	ions Incomplete/	'Unclear	Part Lost/M	issing	Wrong Stock Pulled
	Cuffs Contamination							Mainte	nance		Part Moved		
	Heat Treat Countersink							Mislabe	led		Positioned \	Wrong	<del></del>
	Ш	Inspection	n Strip in	Tube		Cut Too Short		Misread	ł		Power Loss,	/Surge	Other
		Ripples in	Bend			Drill Holes		Offset					

Out of Sequence

Outside Dimensions

H:/FORMS/Quality Assurance\approved QA/NCRWO Rev G

Turning Sequence

Wave/Twist in Tube

Torque Waves in Extrusion

Drawing

Finish

Work Order	ID	90653	
Sentember-21-12	11.35.	08 AM	

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Work Orde September-21-12				*906	353*							Page 2
Item ID: Revision ID:	D350-689-0	013		Accept	*N900	040	100	)*	Setup	Start	*NS	S1*
Item Name:	Floor Provisi	ions								Stop	*NS	S2*
Start Date:	9/20/12	Start Qty: 1.00	*1*		Cust Item	ID:						
Required Date:	10/12/12	<b>Req'd Qty:</b> 1.00	*1*		Customer:							
Reference:							_		D	Start		
Approvals:	Process Pl	lan:	Date:	Tooling:	D	ate:			Run		*NI	R1*
	QC:		Date:	SPC (Y/N):	D	oate:				Stop	*NI	R2*
Sequence ID/ Work Center II	D	Operation Description	-	Set Up/ Run Hours	Tool ID	Tool #	Plan Code	Accept Qty	t Re Qt	•	Reject Number	Insp. Stamp
*120 *120*		Packaging		0.00		04s <b>20</b>	(	(V)		SL	12	11/25
Packaging Packaging		<b>Memo</b> Identify and Location: PPP Rev:	pack for shipping as per	0.00 PPP D350-689-013		g-83						ţ
130		QC21- Final Inspection	- Work Order Release	0.00						10	1,, 1.	~ #
*130* QC Quality Control		Memo		0.00						10	1111	28 78 -11-27
Quanty Control										MC	512	,-,,

: Yes / No WORK ORDER NON-CONFORMANCE / UPDATE  OA Closed: Date:													
								<u> </u>		QA Closed:	Date:		
er:		-	•		DISPOSITION	1		r1	_	EPARTMENT,	_	] <del>[</del> ]	
No.					Rework Scrap Use-as-is Work Order Update		f Therm	Machining noforming	Small Fab Finishing Composite		d. Eng. Coor.	Engineering Quality Other	
				Descri	ption of work order update		Initial	Act	ion	Sign &			
	Date	Step	Qty	(	or Non-conformance	Ch	nief Eng	Descr	iption	Date	Verification	QC Inspector	
na (	Gear				·····	AUL	LICATE	GORT		·			
ling Gear  Bending Centre Not Concentric to O/S Cracks Crushed/Crimped Cuffs Heat Treat Inspection Strip in Tube Ripples in Bend Torque Waves in Extrusion					Bend BOM/Route Broken/Damaged Burrs Contamination Countersink Cut Too Short Drill Holes		Inspecti Instruct Mainte Mislabe Misread Offset	ion Incomplete cions Incomplete/U enance eled d	Jnclear	Part Incorre Part Lost/M Part Moved Positioned V	ct sissing Vrong	Pressure/Forced Temperature/Cure Weld Wrong Stock Pulled Other	
	er: No.	Date  Date  Date  Date  Centre No Cracks Crushed/ Cuffs Heat Trea Inspectio Ripples in	Date Step   Date Step Qty  Date Step Qty  Date Step Cty  Date S	Date Step Qty  Descri Date Step Qty  Descri Date Step Qty  Cacks Crushed/Crimped Cuffs Heat Treat Inspection Strip in Tube Ripples in Bend	Primary Contamination  Countersink  Cut Too Short  Disposition  Rework Scrap Use-as-is Work Order Update  Date Step Qty  Description of work order update or Non-conformance  For General  Bending Centre Not Concentric to O/S Cracks Crushed/Crimped Cuffs Heat Treat Inspection Strip in Tube Ripples in Bend  Disposition  Rework Scrap Use-as-is Work Order Update or Non-conformance  For General Bend BoM/Route Broken/Damaged Burrs Contamination Countersink Cut Too Short Drill Holes	Pr:	Part Cate    Disposition   Rework   Scrap   Use-as-is   Work Order Update   Therm   Step   Oty   Description of work order update   Or Non-conformance   Chief Eng   Step   Oty   Or Non-conformance   Chief Eng   Step   Oty   Or Non-conformance   Chief Eng   Other Eng   O	Paris   Disposition   Rework   Skid-tube   Machining   Thermoforming   Large Fab	DISPOSITION  Rework Scrap Use-as-is Work Order Update  Date Step Qty  Description of work order update or Non-conformance  FAULT CATEGORY  Gear  Bending Centre Not Concentric to O/S Cracks Cr	AGAINST DEPARTMENT,  Rework Scrap Use-as-is Work Order Update Or Non-conformance  Date Step Qty Description of work order update or Non-conformance  FAULT CATEGORY  General Bending Centre Not Concentric to O/S BOM/Route Broken/Damaged Centre Not Concentric to O/S Cracks Broken/Damaged Instructions incomplete Part Inscree Part Lost/M Cuffs Contamination Maintenance Part Mover Under Part Instructions incomplete Part Lost/M Part Mover Under Part Lost/M Part Mover Under Part Mover Unspection Strip in Tube Cut Too Short Missead Power Loss/N Ripples in Bend  DIBLICATION AGAINST DEPARTMENT, Skid-tube Machining Small Fab Pro Rec/Stor Crosstube Machining Small Fab Pro Rec/Stor Constanting Small Fab Pro Rec/Stor Adainting Small Fab Pro Rec/Stor United S	DISPOSITION  Rework   Skid-tube   Crosstube   Prod. Eng. Coor.   Rework   Machining   Small Fab   Prod. Eng. Coor.   Rec/Store/Packaging   Large Fab   Composite   Sign & Date   Date   Step   Qty   Or Non-conformance   Chief Eng   Description   Date   Verification   Date   Verifica		

Out of Sequence

Outside Dimensions

Date:

DQA:

Turning Sequence

Wave/Twist in Tube

Finish

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Page 1

Work Order ID:

90653

Parent Item:

D350-689-013

Parent Item Name:

Floor Provisions

D3033-1 DD verf:EC

**Start Date:** 9/20/12

Required Date: 10/12/12

Start Oty: 1.00

Required Oty: 1.00

Comments:

IPP rev D 06.02.07 Re-format ec IPP rev E 06.02.28 Fixed typo ec

IPP rev.F 07.01.02 per dsi 9311 ec

IPP Rev:G 10.06.07 remove qty 1

IPP REV:H 11.11.17 PER IIN REVB DD VERF;EC

IPP

REV:I 11.11.24 AS PER ECN11-674 DD VERE:EC

Component Item ID/ tem Name	Replacement Item ID	Mfg/ Purch	Bin Item	Primary Location	Last Location	Route Seq ID	Unit of Measure	Qty on Hand	Qty per Kit	Total Qty	Qty Issued	Date Issued	Status
3025-1 Jeann		Manufactured	No			110	Each	5.0000		1	7	B	3
SMD				Location		Loc Qty	<u>L</u>	oc Code					
				ST177		5							
Ν _				709 867		1 4			84	739			
3026-1 hannel	mr 12	Manufactured	No			110	Each	5.0000	1	1	- 7	<b>*</b>	
	(3			<b>Location</b>		Loc Oty	L	oc Code			•		
				ST177		5			-A1	0.44			
				869	777	5			46	977	-		^
302741 lip		Manufactured	No			110	Each	8.0000		1	-25	2	Sil
SM				Location		Loc Qty	L	oc Code			0		
				ST024		8							
				225	666	8			22	566			$\bigcirc$
3027-3		Manufactured	No			110	Each	10.0000		1	- 20	3	55
3m				Location		Loc Qty	<u>1</u>	oc Code			•		
				ST024		10							
				869	72	10			-80	6972			5
3029=51 lip		Manufactured	No			110	Each	4.0000		1	193		2/11
SmB				Location		Loc Oty	<u>I</u>	oc Code			·		•
				ST024		4				<u> </u>			
				225	566	4			_ <i>_2</i>	256b			

												DQA:	Da	te:	
NCR:	Yes	/ No				WORK ORDER NON-C	CON	NFOR!N	ANCE / UP	DATE				•	
											QA C	losed:	Da	te:	
Work Ord	or.					DISPOSITION				AGAINST DI	PART	MENT	/PROCESS		
Work Ordi	٠ .					Rework			Skid-tube	Crosstube	7		Water Jet		Engineering
Part I	Vo.					Scrap			Machining	Small Fab	1	Pro	d. Eng. Coor.		Quality
	•				<del></del> ;	Use-as-is		Therm	noforming	Finishing	Re	ec/Sto	re/Packaging		Other
NCR I	۷o.					Work Order Update			Large Fab	Composite	_		Supplier		
Root		· <b>:</b>			Descri	ption of work order update		nitial	Ac	tion	Sig	n &			
Cause		Date	Step	Qty	C	or Non-conformance	Ch	ief Eng	Desc	ription	D	ate	Verificatio	n	QC Inspector
Doc/Data															
Equip/Tooling			1												
Operator							Ì								
Material															
Setup															
Other	Ш												]		
Process							ł								
Supplier															
Training		' 					1			-					
Unapproved											<u> </u>				
						F	AUL	T CATE	GORY						
Landi	ng (	ear				General		-			_				,
		Bending				Bend		Grain			Ovali	zed			Pressure/Forced
		Centre No	ot Conce	ntric to	o/s	BOM/Route		Hardwa	re	_	Over	/Under	tolerance		Temperature/Cure
		Cracks				Broken/Damaged		Inspecti	on Incomplete		Part	Incorre	ct		Weld
		Crushed/	Crimped			Burrs		Instruct	ions Incomplete	/Unclear	Part	Lost/M	issing		Wrong Stock Pulled
		Cuffs				Contamination		Mainte	nance		Part	Moved			
		Heat Trea	at			Countersink		Mislabe	led		Posit	ioned \	<b>N</b> rong		_
		Inspectio	n Strip in	Tube		Cut Too Short		Misread	i		Pow	er Loss,	/Surge		Other
		Ripples in	Bend			Drill Holes		Offset							

Out of Sequence

Outside Dimensions

Turning Sequence

Wave/Twist in Tube

Torque Waves in Extrusion

Drawing

Finish

September-21-12 11:35:07 AM

Work Order ID: Parent Item:	90653 D350-689-013						Start D	ate: 9/20/12		Required Date: 10	/12/12
Parent Item Name:	Floor Provisions						Start Q	ty: 1.00		Required Qty: 1.0	00
D302747 Chip		Manufactured	No		110	Each	17.0000		4	VgB	Sel
· -				Location	Loc Qty		Loc Code			,	_
Sms				ST024	17						
•				70582	5			010	19		
22222				86813	110		4.0000	8681			Δ-
D3032-1 Spacer		Manufactured	No		110	Each	4.0000		1	73	S
Spacei				<u>Location</u>	Loc Qty		Loc Code			<i>J</i>	
				ST177	<u> 100 QV</u>		<u>Bot Cout</u>				
				68532	4			4853	2		$\wedge$
D303331		Manufactured	No		110	Each	0.0000			V	5/
Seat Track								2 9841	16		
Sm)	)			Location	Loc Qty		Loc Code			•	
				ST177	<del>-</del> 4				_		
				ST179	4						(
D3234±1		Manufactured	No		110	Each	14.0000	1	1	73	Col
Doubler											
Sms				<b>Location</b>	Loc Qty		Loc Code				
<b>5</b> /\(\dot\)				ST177	10						
				88274	. 10						
	,		2.11	ST232A	4 4			1704	.6		
D3234-3=	N	Manufactured	No	120 77066	110	Each	8.0000	1	1	<u> </u>	
Soubler	A	Manufactured	110		110	Lucii	0.0000		1		12/11/8
	1)			<b>Location</b>	Loc Qty		Loc Code			•	, ,
				ST177						_	
•				79807	6			27980	57		
				ST232A	2						
				71141	- 2						

											DQA:	Date:	
NCR: Y	Yes	/ No	•			WORK ORDER NON-	COI	NFORM	/ANCE / UPI	DATE		_	
,											QA Closed:	Date:	
Work Orde	or.					DISPOSITION				AGAINST DE	PARTMENT,	/PROCESS	
WOIK Old	-			-		Rework	1		Skid-tube	Crosstube	1	Water Jet	Engineering
Part N	No.					Scrap	1	l	Machining	Small Fab	Pro	d. Eng. Coor.	Quality
	-					Use-as-is	1	1	noforming	Finishing	Rec/Sto	re/Packaging	Other
NCR N	۷o				·	Work Order Update	]		Large Fab	Composite	]	Supplier	
Root	1		1	1	Descri	tion of work order update		Initial	Δι	tion	Sign &		T
Cause		Date	Step	Qty	-	or Non-conformance	1	nief Eng		ription	Date	Verification	QC Inspector
Doc/Data	$\sqcap$		0.04	~ /			1						
Equip/Tooling									1				
Operator	П								I				
Material	П								I		}		
Setup	П								1				
Other													
Process	П												
Supplier	П		1						İ				
Training	П												
Unapproved			Ì										
						F	AUI	LT CATE	GORY				
Landi	ng G	ear				General		-			<del>-</del> -		<b>-</b>
		Bending				Bend		Grain			Ovalized		Pressure/Forced
	Centre Not Concentric to O/S					BOM/Route		Hardwa	re		Over/Under	tolerance	Temperature/Cure
		Cracks			L.	Broken/Damaged		Inspecti	on Incomplete		Part Incorre	ct	Weld
	∐'	Crushed/	Crimped.			Burrs		-1	ions Incomplete/I	Unclear	Part Lost/M	issing	Wrong Stock Pulled
	Щʻ	Cuffs				Contamination		Mainte	nance		Part Moved		
		Heat Trea	it			Countersink		Mislabe	led		Positioned \	Wrong	<del></del>
		Inspectio	n Strip in	Tube		Cut Too Short		Misread	i	[	Power Loss/	'Surge	Other
1	[ ],	Rinnles in	Rend			Drill Holes		Offset	•				

Out of Sequence

Outside Dimensions

Turning Sequence

Wave/Twist in Tube

Torque Waves in Extrusion

Drawing

Finish Folio

#### **Picklist Print**

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Page 3

Work Order ID:

90653

Parent Item:

D350-689-013

Parent Item Name:

Floor Provisions

D3234-5 Spacer

Manufactured

No

Each

8.0000

Loc Code

Loc Code

**Start Date: 9/20/12** Start Qty: 1.00

Required Date: 10/12/12

Required Oty: 1.00

MS2105913 Nut Plate

Purchased

No

43243

Location

Location ST034

110

Loc Qty

Loc Oty

110

Each

301.0000

43243 12

314 ST301 ST302 ST316

No Purchased

302 10 121185 10 77 77 122452 28 8 118614 119546 20 124 120308 13 120833 121444 100 121524 10 62 122814 62

110

Each 771.0000

121444

~ 2 10 12/11/2/

MS24693-S273

Screw

Location Loc Qty ST288 771 100151 671 117291 100

Loc Code

0015

*y* \*

											DQA:	Date:	
NCR:	Yes	/ No				WORK ORDER NON-O	COI	<b>NFORN</b>	ANCE / UPD				
											QA Closed:	Date	
Work Ord	or.					DISPOSITION				AGAINST DE	PARTMENT,	/PROCESS	
Part I	No.					Rework Scrap Use-as-is Work Order Update		Therm	Skid-tube Machining noforming Large Fab	Crosstube Small Fab Finishing Composite		Water Jet d. Eng. Coor. e/Packaging Supplier	Engineering Quality Other
Root					Descri	ption of work order update		Initial	Actio	n	Sign &		
Cause		Date	Step	Qty	(	or Non-conformance	Ch	nief Eng	Descrip	otion	Date	Verification	QC Inspector
Doc/Data Equip/Tooling Operator Material Setup Other Process Supplier Training Unapproved													·
ļ							AUI	T CATE	GORY				
Landi		Gear Bending Centre No Cracks Crushed/ Cuffs Heat Trea	Crimped.		o/s	General Bend BOM/Route Broken/Damaged Burrs Contamination Countersink Cut Too Short		Instruct Mainte Mislabe Misread	on Incomplete ions Incomplete/Ur nance led	nclear	Ovalized Over/Under Part Incorre Part Lost/M Part Moved Positioned N	ct sissing Vrong	Pressure/Forced Temperature/Cure Weld Wrong Stock Pulled Other
1		Ripples in	Bend			Drill Holes	1	Offset					

Out of Sequence

Outside Dimensions

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Turning Sequence

Wave/Twist in Tube

Torque Waves in Extrusion

Drawing

Finish Folio

### **Picklist Print**

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Page 4

Work Order ID:

90653

Parent Item:

D350-689-013

Parent Item Name

Floor Provisions

**Start Date: 9/20/12** 

Required Date: 10/12/12

Start Oty: 1.00

Required Oty: 1.00

Parent Item Name:	Floor Provisions								Sta	rt Qty: 1.00		Required Qty:	1.00
MS27039-1-10 Screw		Purchased	No				110	Each	509.0000	6 2×	123522	13	<u>S</u> V
				Location	<u>!</u>		Loc Oty		Loc Code			•	
				308			100				<del> </del>		
					122441		100			421	22441		
<b>α</b> Λ				GA		,	100						
SMS				*	120449		100						
				ST291			5			<del></del>	<del></del>		
					120120		5				<del></del>		
				ST305			300				****		
1				CITTO A A A	122815		300			<del></del>			
				ST308	122027		4			<del></del>			
NAS1149D0332J		Purchased	No		122027		110	Each	4,889.0000	66	1 6		
Washer		Purchased	140				110	Edeli	1,005.0000		- 0	18	12/11/21
5m>				Location	<u>1</u>		Loc Qty		Loc Code			<i>V</i>	, , ,
				ST294			4755						
		_			122973		4755				22973		
	Sr	d)		ST297			134				<u>.</u>		
	D487/50	xIB.	917	8/	121708		134						
ABA	Sn						290						
	J1:		9	262		$\mathcal{A}$	20						
	4575-3	1×1B				. —	, 9.0°						
ABB				2 . /.	1.7								
		per E		2 -61	Ø 1.	<b>4</b>							
		per E	7.10	(2	-11-2	$\mathcal{O}_{\mathcal{F}}$							
•			m	•									

												DQA:	Da	te:	
NCR:	Yes	/ No				WORK ORDER NON-	-COI	NFORM	MANCE / UP	DATE		•			
												QA Closed:	Da	te:	
Work Ord	or:					DISPOSITION				AGAINST	DE	PARTMENT	PROCESS		
Work Ord	C1.	<del></del>				Rework	$\neg$		Skid-tube	Crosstube			Water Jet		Engineering
Part I	Nο					Scrap	-		Machining	Small Fab		Pro	d. Eng. Coor.		Quality
,		-				Use-as-is	-		noforming	Finishing			e/Packaging		Other
NCR I	No.					Work Order Update	1	1	Large Fab	Composite		,	Supplier		
									· _	,					
Root					Descri	ption of work order update		Initial	Ac	tion		Sign &			
Cause		Date	Step	Qty	(	or Non-conformance	Ct	nief Eng	Desc	ription		Date	Verificatio	n	QC Inspector
Doc/Data															
Equip/Tooling			1										•		
Operator			1												
Material															
Setup								•							
Other															
Process															
Supplier			1												
Training	<u> </u>						- [								
Unapproved		L													
						<del></del>	FAU	LT CATE	GORY						
Landi	ng (	1				General	_	٦			_	1			1
	<u> </u>	Bending				Bend	^	Grain				Ovalized		<u>_</u>	Pressure/Forced
	<u> </u>	Centre N	ot Concer	ntric to	O/S	BOM/Route		Hardwa			<u> </u>	Over/Under		·	Temperature/Cure
	<u> </u>	Cracks				Toroken/Damageu	<u> </u>	4 '	on Incomplete			Part Incorred		_	Weld
	<u> </u>	Crushed/	Crimped.			Burrs		┥	ions Incomplete/	Unclear	_	Part Lost/Mi	ssing		Wrong Stock Pulled
	<u> </u>	Cuffs				Contamination	<u> </u>	Mainte			<u>_</u>	Part Moved			
	L_	Heat Trea				Countersink	<u> </u>	Mislabe	led		L	Positioned V	•		7
{		Inspectio	n Strip in	Tube		Cut Too Short		Misreac	i			Power Loss/	Surge		Other

Offset

Out of Calibration

Out of Sequence

Outside Dimensions

H:/FORMS/Quality Assurance\approved QA/NCRWO Rev G

Ripples in Bend

Turning Sequence

Wave/Twist in Tube

Torque Waves in Extrusion

Drill Holes

Drawing

Finish

#### 4. WEIGHT AND BALANCE

The following weight and balance information is for the Dart Dual High Back Seat Installation. The weight and balance of the parts that are removed from the aircraft to perform this installation are the responsibility of the installer.

		LA	TERAL	LONGITUDINAL			
Installation	Weight	Arm	Moment	Arm	Moment		
D350-689-011 Dual High Back Seat	27.6 lb	-18.2 in	-502 in-lb	60.7 in	1675 in-lb		
Installation, Fwd Position	12.5 kg	-0.46 m	-5.8 m-kg	1.54 m	19.3 m-kg		
D350-689-013 Floor Provisions Kit,	2.0 lb	-18.2 in	-36 in-lb	60.7 in	121 in-lb		
Fwd Position	0.9 kg	-0.46 m	-0.4 m-kg	1.54 m	1.4 m-kg		
D350-689-011 Dual High Back Seat	28.1 lb	-18.2 in	-511 in-lb	63.7 in	1790 in-lb		
Installation, Aft Position	12.7 kg	-0.46 m	-5.8 m-kg	1.62 m	20.57 m-kg		
D350-689-013 Floor Provisions Kit,	3.1 lb	-18.2 in	-56 in-lb	62.2 in	193 in-lb		
Aft Position	1.4 kg	-0.46 m	-0.6 m-kg	1.58 m	2.2 m-kg		
D350-689-015 Seat Modification Kit	1.0 lb	-17.2 in	-17 in-lb	60.7	61 in-lb		
	0.5 kg	-0.44 m	-0.22 m-kg	1.54 m	0.77 m-kg		
D350-689-017 Shoulder Harness,	4.4 lb	-18.2 in	-80.1 in-lb	60.7 in	267 in-lb		
Fwd Position	2.00 kg	-0.46 m	-0.92 m-kg	1.54 m	3.08 m-kg		
D350-689-017 Shoulder Harness, Aft	4.4 lb	-18.2 in	-80.1 in-lb	64.7 in	285 in-lb		
Position	2.00 kg	-0.46 m	-0.92 m-kg	1.64 m	3.28 m-kg		
D350-689-019 Control Guard, Fwd	0.5 lb	-9.0 in	-4.5 in-lb	60.7 in	30 in-lb		
Position	0.23 kg	-0.23 m	-0.05 m-kg	1.54 m	0.35 m-kg		
D350-689-019 Control Guard, Aft	0.5 lb	-9.0 in	-4.5 in-lb	64.7 in	32 in-lb		
Position	0.23 kg	-0.23 m	-0.05 m-kg	1.64 m	0.38 m-kg		
D350-689-021 Dual High Seat Back	29.2 lb	-18.2 in	-531 in-lb	60.7 in	1772 in-lb		
Installation, LH Fwd Position	13.2 kg	-0.46 m	-6.1 m-kg	1.54 m	20.3 m-kg		
D350-689-021 Dual High Seat Back	29.2 lb	-18.2 in	-531 in-lb	64.7 in	1889 in-lb		
Installation, LH Aft Position	13.2 kg	-0.46 m	-6.1 m-kg	1.64 m	21.6 m-kg		
D350-689-023 Energy Attenuating	2.5 lb	-18.2 in	-46 in-lb	62.2 in	156 in-lb		
Floor Provisions Kit	1.1 kg	-0.46 m	-0.5 m-kg	1.58 m	1.7 m-kg		

#### 5. PARTS LIST

Qty -011	Qty 2013	Qty -015	Qty -017	Qty -019	Qty -021	Qty -023	Qty -041	Qty -043	Part Number	Description
X			<u> </u>						D350-689-011	DUAL HIGH BACK SEAT INSTALLATION, LH
<del></del>	l x								D350-689-013	FLOOR PROVISIONS KIT
<u> </u>	<del>  ^</del>	X	<del></del>						D350-689-015	SEAT MODIFICATION KIT
	-		X						D350-689-017	SHOULDER HARNESS KIT
	<del></del>		<del>-                                    </del>	X			<b>—</b>		D350-689-019	CONTROL GUARD KIT
			<del> </del> -	<del></del>	X		T		D350-689-021	DUAL HIGH BACK SEAT INSTALLATION, LH
<del></del>				<b></b>	1	х			D350-689-023	ENERGY ATTENUATING FLOOR PROVISIONS KIT
1	<del> </del>		<del> </del>				х		D350-689-041	DUAL HIGH BACK SEAT ASSEMBLY
				<u> </u>	1			Х	D350-689-043	DUAL HIGH BACK SEAT ASSEMBLY
	+									
							2	2	D3016-041	SEAT FRAME ASSEMBLY
	<del> </del>						1	1	D3017-041	BACK FRAME ASSEMBLY
1			<del> </del>		1				D3018-1	SEAT CUSHION
<del>- i</del>	+			*	1				D3019-1	BACK CUSHION
	<del>                                     </del>			<b></b>			1	1	D3021-041	TUBE ASSEMBLY
	<del>                                     </del>			<b></b>			1	1	D3022-1	SEAT PAN
	<del>                                     </del>		-				1	1	D3023-1	BACK PANEL
	<del> </del>				<u> </u>		3	3	D3024-1	SPACER
	41111		<del> </del>	1				7	1D3025-1	BEAM

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Date: 11.07.22

# REFERENCE ONLY 5m3

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#### IIN-D350-689

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Qty -011	CQty 013	Qty -015	Qty -017	Qty -019	Qty -021	Qty -023	Qty -041	Qty -043	Part Number	Description
-011	1	- 0.0		<del></del>		1		_D3026-1		CHANNEL
	= 3								-D3027-はつ	CLIP
									∠D3027-3⊃	CLIP
	15							C-D3027:57		CLIP
	4~			<b></b>		4		-	-D3027-7 <b>-</b>	CLIP
				<b></b>		<del>- ` -</del>	4	·	D3028-1	STUD
		2		<del></del>		<del> </del>	2	<b></b>	D3029-1	SPRING
	ļ	2			<u> </u>		2	<del>                                     </del>	D3030-1	LOCK
						<del> </del>	2	2	D3031-1	LOOP
									-D30323	SPACER
		1				<del> </del>	-		-D3033=1	SEAT TRACK
	7.5	4	-			<del> </del>			D3059-1	STUD
		4	<del></del>			<del> </del>			D3060-1	BUSHING
	<del>                                     </del>	4				<del> </del>			D3061-1	RADIUS BLOCK
	<del>                                     </del>	4	<del>                                     </del>	1		+	<del> </del>	<del> </del>	D3084-3	STRUT
	1		<del></del>	<del>                                     </del>	<del>                                     </del>	1 —	<u> </u>	<u> </u>	D3234=42	DOUBLER
			<del></del> -		-	1	-		-D3234-3	DOUBLER
			<del>                                     </del>	<del> </del>	<del> </del>	<del>- '</del>	1		TD3234-5-	SPACER +
	2>							2	D3808-041	SEAT RAIL ASSEMBLY
				<del></del>				4	D3809-1	SLIDING BLOCK
			<u> </u>		<del> </del>	1		<del>                                     </del>	D3811-041	SEAT TRACK ASSEMBLY
	1		2	<b>-</b>	<del> </del> -	<del></del>		<del> </del>	D4071-041	SHOULDER HARDNESS ASSY
				<b>├</b>	ļ	<del> </del>		<del> </del> -	D4071-041	0.700321.
				<del></del>		<del> </del>	3	3	AN3-12A	BOLT
	ļ	<u> </u>	<u> </u>			<del></del>	13	1 3	AN4-12A	BOLT
			<b> </b>	1 1	<u> </u>	<del> </del>	<del> </del>	<del> </del>	AN4-20A	BOLT
	ļ			1	ļ	-	<del> </del>	<del> </del>	AN5-4A	BOLT
L			2	<b></b>		<b></b>	40	40	MS20600AD4W2	RIVET
	<u> </u>		<u> </u>	ļ	<u> </u>	<u> </u>	6	6	MS20600AD4W2	RIVET
			<u> </u>	<u> </u>	ļ	9	17	17	MS21042L3	NUT (OR MS21042-3)
			ļ	<del> </del>	ļ	9	6	6	MS21042L4	NUT (OR MS21042-4)
				2	ļ		°	0	MS21042L4	NUT (OR MS21042-5)
		4	2_	<b>_</b>	<u> </u>	ļ	ļ	<b>├</b>	-MS21059L3	NUTPLATE
	120	4		<u> </u>	<u> </u>	<u> </u>		<del></del>	MS24693-S272	SCREW
			<b> </b>	ļ	ļ	<del> </del>	4	4	MS24693-S272	SCREW
	C-2>	1	ļ	ļ	<b></b>	<del>                                     </del>	ļ	<del>  `</del>	MS24693-5273-5	SCREW
			ļ			<del></del> _	<u> </u>	8_		SCREW
	<u> </u>			ļ	ļ	9	<u> </u>	<del>  -</del>	MS24694-S50	
					<u> </u>		ļ	4	MS24694-S148	SCREW
	-6-	3	<u></u>	<u> </u>			ļ	<b></b>	(MS27039-1-10	SCREW
						<u> </u>	4	4	MS27039-1-17	SCREW
					<u></u>	1	6	6	MS27039-1-19	SCREW
			L				6	6	MS27039-4-21	SCREW
<u></u>	6	3			<u> </u>	<u> </u>	17	17		WASHER (OR ANGOUD10L)
					L	9		<u> </u>	NAS1149D0363J	WASHER (OR AN960JD10)
		T		8			<u> </u>		NAS1149D0416J	WASHER (OR AN960JD416L)
	1						6	6	NAS1149D0432J	WASHER (OR AN960JD416)
<b>—</b>			4						NAS1149D0516J	WASHER (OR AN960JD516L)
<u> </u>	T	4	1	1	1				NAS1149D0563J	WASHER (OR AN960JD516)
	1			2	1				NAS43DD4-46N	SPACER

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## REFERENCE ONLY

SMS

### 4.0 PARTS LIST CHANGE

The parts list of D350-689-021/-023 at CHG 005/004 or later is amended as follows:

5. PARTS LIST (IIN-D350-689) 25.10 PARTS LIST (ICA-D350-689)

IS:

<u>u.</u>										Description
Qty	Qty	Qty	Qty	Qty	Qty	Qty	Qty	Qty	Part Number	Description
-011	-013	-015	-017	-019	-021	-023	-041	-043		
-011	-010	-00		-					0050 600 044	DUAL HIGH BACK SEAT
X									D350-689-011	INSTALLATION, LH
		<del></del>	<del> </del>						D350-689-013	FLOOR PROVISIONS KIT
	_X		<del></del>	<del> </del>		-			D350-689-015	SEAT MODIFICATION KIT
	<u> </u>	X	-	ļ — —					D350-689-017	SHOULDER HARNESS KIT
			X	X			<del>                                     </del>	<del> </del>	D350-689-019	CONTROL GUARD KIT
				-	<b></b> -	<del> </del>	<del> </del>	<del> </del>		DUAL HIGH BACK SEAT
					X				D350-689-021	INSTALLATION, LH
				<del></del> -			<del> </del>			ENERGY ATTENUATING FLOOR
					1	X	1	1	D350-689-023	PROVISIONS KIT
			<b></b> _				X	<del>                                     </del>	D350-689-041	DUAL HIGH BACK SEAT ASSEMBLY
1_1_	L				4	<del>}</del>	<del>  ^</del>	X	D350-689-043	THE PARTY OF THE ASSESSED OF THE PARTY OF TH
	<u> </u>		L			L				
	<u> </u>			Τ	Γ		Γ.,		D3026-1	CHANNEL (REMOVED)
L										L DOUBLER (REMOVED)
								<u> </u>	D3234-3	DOUBLER (REMOVED)
	<u> </u>	<u> </u>				4	T	Γ	D4575-1	IBEAM (REPLACES D3026-1)
		<u> </u>		ļ	<del></del>	1 -	<del> </del>	<b>├</b> ~		-DOUBLER (NEW)
-			l	L	<u> </u>	1	<u> </u>	L	D401-0-3	1,000,000

#### WAS:

Qty -011	@ty-	Qty -015	Qty -017	Qty -019	Qty -021	Qty -023	Qty -041	Qty -043	Part Number	Description
X	E-0138	-015		<u> </u>	- VIII				D350-689-011	DUAL HIGH BACK SEAT INSTALLATION, LH
	X								D350-689-013	FLOOR PROVISIONS KIT
	<del>  ^  </del>	X		<del></del>	<del></del>				D350-689-015	SEAT MODIFICATION KIT
			X						D350-689-017	SHOULDER HARNESS KIT
				X					D350-689-019	CONTROL GUARD KIT
				^-	х				D350-689-021	DUAL HIGH BACK SEAT INSTALLATION, LH
					1	х			D350-689-023	ENERGY ATTENUATING FLOOR PROVISIONS KIT
						<del> </del>	X		D350-689-041	DUAL HIGH BACK SEAT ASSEMBLY
	<del>  </del>		<del> </del>		1	<del>                                     </del>	1	X	D350-689-043	DUAL HIGH BACK SEAT ASSEMBLY
				I		1 1	T		D3026-1	CHANNEL
	1 1			<u></u>				L	D3234-3	DOUBLER

CANADA
DEPARTMENT OF TRANSPORT
AIRCRAFT CERTIFICATION
BRANCH
DAO # 01-O-01

APPROVED

D. SHEPHERD (DE # 02)

DATE: 12.11.09
CERT NO.: SH02-33
ISSUE NO.: 1

	1	
DESIGN	B	DART AEROSPACE LTD
DRAWN	_B.	HAWKESBURY, ONTARIO, CANADA
CHECKED	#	DRAWING NO. REV. B
MFG. APPR.	N/A	DSI 9588 SHEET 6 OF 6
APPROVED	4	TITLE SCALE
DE APPR.	#	INSTALLATION CHANGE NTS
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